

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (Original) A process for recovery of a valuable sulphide mineral comprising:  
providing a slurry containing the valuable sulphide mineral and determining an Eh range within which the mineral may be recovered by flotation without the need of a collector,  
and subject the slurry to flotation in a pneumatic cell at such a rate that the slurry remains with the Eh range during flotation.
2. (Original) A process according to claim 1 wherein the slurry contains both a valuable sulphide mineral and non-valuable sulphide mineral(s), the slurry being subjected to flotation in a pneumatic cell at such a rate that flotation of the selected non-valuable mineral(s) is reduced or eliminated.
3. (Previously presented) A process according to claim 1 wherein flotation in the pneumatic flotation cell is conducted at a neutral or slightly oxidising Eh.
4. (Previously presented) A process according to claim 1 wherein the Eh range is between -100mV and +200mV.
5. (Previously presented) A process according to claim 1 wherein the Eh range is between -50mV and +100mV.
6. (Previously presented) A process according to claim 1 wherein the residence time in the pneumatic cell is below about two minutes.
7. (Previously presented) A process according to claim 1 wherein the residence time in the pneumatic cell is between one and two minutes.

8. (Previously presented) A process according to claim 1 wherein the residence time in the pneumatic cell is between one and 1.5 minutes.
9. (Previously presented) A process according to claim 1 wherein the slurry is conditioned such that it falls within the predetermined Eh range, prior to entry into the pneumatic cell.
10. (Previously presented) A process according to claim 1 wherein the rate of flotation is such that the normally required quantity of flotation additives and reagents to achieve the desired grade and recovery are not required.
11. (Currently Amended) A process according to claim 1 wherein the pneumatic flotation cell is selected from the group consisting of Jameson cells, EKOF cells, Bahr cells, contact cells, and Multotec turbo-column cells ~~or the like~~
12. (Previously presented) A process according to claim 1 wherein flotation is conducted in a near neutral and slightly alkaline environment.
13. (Previously presented) A process according to claim 1 wherein the valuable sulphide mineral is chalcopyrite.
14. (Previously presented) A process according to claim 1 wherein the non-valuable sulphide mineral(s) includes pyrite.
15. (Previously presented) A process according to claim 1 wherein the Eh range within which flotation occurs is that range within which the valuable sulphide mineral may be recovered by flotation without the need of a xanthate collector.
16. (Currently Amended) A process according to claim 13 wherein the valuable sulphide mineral ~~ere~~ further comprises ~~includes~~ chalcocite.

17. (Currently Amended) A process according to claim 16 ~~14~~ wherein the chalcocite is also floated using a non-xanthate collector.

18. (Currently Amended) A method of improving recovery in a flotation circuit comprising adding a pneumatic flotation cell that functions as a scalper upstream of the flotation circuit, ~~a pneumatic flotation cell~~ wherein a slurry containing the valuable sulphide mineral is provided to the pneumatic cell and floated at such a rate that the slurry remains in a Eh range suitable for recovery by flotation without the need of a collector.

19. (Original) A method according to claim 18 wherein the rate of flotation is selected such that residence time in the pneumatic cell is below about two minutes.

20. (Currently Amended) A method according to claim 18 wherein concentrate from the pneumatic flotation cell is sent to a final concentrate stream with the tailings from the pneumatic flotation cell being fed to ~~the remainder~~ of the flotation circuit.

21. Cancelled

22. Cancelled